

## The Provo Canyon Project Is In Full Swing

Now that spring is here and warm days are ahead, the Provo Canyon Project is in full swing and construction crews are busy working on various tasks throughout the corridor. Motorists can continue to expect 10 minute traffic delays Monday through Friday nights from 10 p.m. to 6 a.m.

### Construction Activities Update

Construction activities continue to focus on excavating the canyon rock face to prepare for the new road alignment and installing the foundation for the new bridge. The following is a list of ongoing construction activities:

- Placing irrigation lines
- Installing columns for the new spillway bridge support  
*See photo to the right*
- Constructing spillway bridge embankment
- Clearing ground material and excavating at various locations throughout the project
- Installing soil nails into the rock face



### Completed Items

Construction crews are working hard and making progress. The following is a list construction activities that have recently been completed.

- ✓ Wick drain installation
- ✓ Bureau of Reclamation Bridge
- ✓ Soil placement on haul road to raise elevation for the new road alignment
- ✓ Environmental control placement
- ✓ Utah Power and Light utility relocation
- ✓ Topsoil removal

### Safety

The Provo Canyon Project Team is committed to maintaining safety for the traveling public and construction crews working in the canyon. Watch for falling rocks and remember that speed limits have been reduced to 40 mph.

### Excavation Work

Project crews are working to remove the canyon rock and earth materials at various locations between the SR - 92 junction and the Deer Creek State Park to make room for the new five-lane divided road. While impacts to the canyon have been minimized as much as possible, earth materials will be removed from the mountainside upwards of 50 ft. and cutting back into the mountainside as much as 30 ft. Canyon excavation work will continue through 2006. Below is a brief overview about the excavation process.

#### Step 1: Pioneering

Trees and vegetation are removed from the area to prepare for excavation. An access road is also built to allow construction vehicles on top of the mountainside. *See photo to the right.*



#### Step 2: Excavation

Rock and earth materials are removed from the mountainside starting at the top and moving down in 10 ft. vertical sections. Steps 2 - 4 are completed for each 10ft. section before moving further down on the mountain to begin the next section. Material removed from the mountainside will be used in the new road base and bridge embankments.

#### Step 3: Insert Soil Nails

Long sections of steel called soil nails will be drilled 30 ft. into the mountainside to stabilize the soft earth materials that make up the canyon. The area around the nail will then be filled in with concrete. *See photo to the right.*



#### Step 4: Place Shotcrete

Once the necessary amount of earth materials have been removed, a six inch layer of concrete is placed over the mountainside to reinforce and stabilize the area. The concrete wall is referred to as shotcrete. This will help to provide a more geologically stable foundation and reduce mudslides and shifting in the area.

For the latest Provo Canyon Project construction activities, please visit:

**[www.udot.utah.gov/provo-canyon](http://www.udot.utah.gov/provo-canyon)**

Or call the 24-hour automated project information line at:  
1-888-517-8401